

AWIPS Displayed Model Data by Scale (CONUS, OCONUS AWIPS Build 5.2.2)

KEY

{native resolution} AWIPS Grid (resolution)

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Model	N. Hemisphere	N. America	CONUS	Regional	State	WFO	Timestep (hours)	Max F'cst Hour
AVN ^{&} {see below}	NHEM201 (410 km) NAT225 (90 km) HI	CONUS202 (180 km) / CONUS213 (90 km)* NAT203 (180 km) AK NAT225 (90 km) HI LATLON (140 km) PR	CONUS202 (180 km) / CONUS213 (90 km)* NAT203 (180 km) AK NAT225 (90 km) HI LATLON (140 km) PR	CONUS211 (80 km) LATLON (140 km) PR	CONUS211 (80 km)		6	120
ECMWF {T512/30 km}	LATLON (280 km) [^]	LATLON (280 km) [^]					24	168
ENSEMBLE% {see below}	LATLON (140 km)	LATLON (140 km)					6	84
Eta ^{**} {12 km}		CONUS211 (80 km) REG207 (100 km) AK	CONUS211 (80 km) REG207 (100 km) AK	CONUS211 (80 km) REG207 (100 km) AK	CONUS211 (80 km) REG207 (100 km) AK		6	60 (84)
Eta12 ^{**} {12 km}				GRID218 (12 km) GRID242 (12 km) AK	GRID218 (12 km) GRID242 (12 km) AK	GRID218 (12 km) GRID242 (12 km) AK	3	60 (00/12Z) 48 (06/18Z)
GWV {110 km}	REG233 (140 km)	REG233 (140 km)	REG233 (140 km)				6	120
LAPS {10 km}				LAPS (10 km)	LAPS (10 km)	LAPS (10 km)	1	Analysis
MesoEta ^{**} {12 km}			CONUS212 (40 km) / CONUS215 (20 km) AK216 (45 km) AK / AK217 (25 km) AK	CONUS212 (40 km) / CONUS215 (20 km) AK216 (45 km) AK / AK217 (25 km) AK	CONUS212 (40 km) / CONUS215 (20 km) AK216 (45 km) AK / AK217 (25 km) AK	CONUS212 (40 km) / CONUS215 (20 km) AK216 (45 km) AK / AK217 (25 km) AK	3	60 (00/12Z) 48 (06/18Z)
MRF ^{&} {see below}	NHEM201 (410 km) NAT204 (80 km) HI NAT205 (180 km) PR	CONUS202 (180 km) / CONUS213 (90 km)* NAT203 (180 km) AK NAT204 (80 km) HI NAT205 (180 km) PR	CONUS202 (180 km) / CONUS213 (90 km)* NAT203 (180 km) AK NAT204 (80 km) HI NAT205 (180 km) PR	CONUS211 (80 km) [#]			12	240
MSAS [@] {site-defined}			MAPS60 {site-defined}	MAPS60 {site-defined}	MAPS60 {site-defined}	MAPS60 {site-defined}	1	Analysis
NGM {80 km}		CONUS202 (180 km) / CONUS213 (90 km)* CONUS211 (80 km) REG207 (100 km) AK	CONUS202 (180 km) / CONUS213 (90 km)* CONUS211 (80 km) REG207 (100 km) AK	CONUS202 (180 km) / CONUS213 (90 km)* CONUS211 (80 km) REG207 (100 km) AK	CONUS202 (180 km) / CONUS213 (90 km)* CONUS211 (80 km) REG207 (100 km) AK		6	48
RUC80 {40 km}		CONUS211 (80 km)	CONUS211 (80 km)				1	12
RUC40 {40 km}				GRID236 (40 km)	GRID236 (40 km)		1	12
UKMET {60 km}	LATLON (140 km) ^{^^}	LATLON (140 km) ^{^^}					6	72
wnaWAVE {30 km} or akWAVE {45 km} or pacWAVE {30 km}			GRID238 (30 km) GRID239 (45 km) AK GRID243 (30 km) HI	GRID238 (30 km) GRID239 (45 km) AK GRID243 (30 km) HI			6	120

Notes

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The AVN/MRF model is now referred to as the Global Forecast System (GFS). The MRF run of the Global Forecast System is discontinued. MRF grids are copies of the GFS grids. As of 29 October 2002, the resolution of the GFS is increased as follows:

T254/50 km w/64 layers, H+0 to H+84 hours
T170/80 km w/42 layers, H+84 to H+180 hours
T126/110 km w/28 layers, H+180 to H+384 hours

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ECMWF AWIPS LATLON grid is a 2.5 x 2.5 degree resolution lat/lon grid

Eta, MesoEta, and Eta12 are the same model run at NCEP. AWIPS-Eta grid covers the CONUS on an 80 km grid. AWIPS-MesoEta grid covers Regional scale. AWIPS-MesoEta surface fields are on a 20 km grid, all other AWIPS-MesoEta fields are on a 40 km grid. AWIPS-Eta12 covers the Regional Scale, but contains only limited surface variables.

AWIPS displays of AVN, MRF and NGM grids on the N. America scale can use two different AWIPS grid resolutions. By default, the CONUS213 AWIPS grid is used. If the finer resolution CONUS213 grid is not available, the coarser resolution CONUS202 grid is used.

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In Spring 2003, the resolution of the GFS Ensemble Suite will be increased:
T126/110 km w/28 layers, H+0 to H+180 hours

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The MSAS analysis grid domain and resolution are now site-defined. Default remains at CONUS domain at 60 km resolution.

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UKMET AWIPS LATLON grid is a 1.25 x 1.25 degree resolution lat/lon grid